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[Abstract] [PDF Full-Text (228 KB)] CNF

2 Dialogue machine translation system using multiple translation processors

Ren, F.

Print Format

Database and Expert Systems Applications, 2000. Proceedings. 11th International Workshop on , 2000

Page(s): 143 -152

[Abstract] [PDF Full-Text (424 KB)] CNF

3 Improving incremental construction of knowledge bases by using terminological logic resources

Julia, R.M.daS.; Pereira, A.E.C.; Arantes, W.M.; Guillen, A.M.S. Systems, Man, and Cybernetics, 1998. 1998 IEEE International Conference on, Volume: 2, 1998

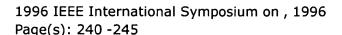
Page(s): 1552 -1557 vol.2

[Abstract] [PDF Full-Text (444 KB)] CNF

4 Design and implementation of a parser/solver for SDPs with matrix structure

Shao-Po Wu; Boyd, S.

Computer-Aided Control System Design, 1996., Proceedings of the



[Abstract] [PDF Full-Text (448 KB)] CNF

5 An intelligent parser that automatically generates semantic rules during syntactic and semantic analysis

da Silva Julia, R.M.; Seabra, J.R.; Siqueira, I.S. Systems, Man and Cybernetics, 1995. Intelligent Systems for the 21st Century., IEEE International Conference on , Volume: 1 , 1995 Page(s): 806 -811 vol.1

[Abstract] [PDF Full-Text (540 KB)] CNF

6 Implementing calendars and temporal rules in next generation databases

Chandra, R.; Segev, A.; Stonebraker, M.
Data Engineering, 1994. Proceedings.10th International Conference,
1994
Page(s): 264 -273

[Abstract] [PDF Full-Text (716 KB)] CNF

7 Text classification in fragmented sublanguage domains

Frail, R.P.; Freedman, R.S.

Artificial Intelligence for Applications, 1991. Proceedings., Seventh IEEE Conference on , Volume: i , 1991

Page(s): 33 -36

[Abstract] [PDF Full-Text (344 KB)] CNF

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Natural language techniques for intelligent information retrieval 84% P. S. Jacob , L. F. Rau

Proceedings of the eleventh international conference on Research & development in information retrieval May 1988

Neither natural language processing nor information retrieval is any longer a young field, but the two areas have yet to achieve a graceful interaction. Mainly, the reason for this incompatibility is that information retrieval technology depends upon relatively simple but robust methods, while natural language processing involves complex knowledge-based systems that have never approached robustness. We provide an analysis of areas in which natural language and information retrieval come tog ...

2 Experiments on incorporating syntactic processing of user d gueries into a document retrieval strategy

A. F. Smeaton , C. J. van Rijsbergen

Proceedings of the eleventh international conference on Research & development in information retrieval May 1988

Traditional information has relied on the extensive use of statistical parameters in the implementation of retrieval strategies. This paper sets out to investigate whether linguistic processes can be used as part of a document retrieval strategy. This is done by predefining a level of syntactic analysis of user queries only, to be used as part of the retrieval process. A large series of experiments on an experimental test collection are reported which use a parser for noun phrases as part o ...

82%

3 SCISOR: extracting information from on-line news

80%

P. S. Jacobs , Lisa F. Rau

Communications of the ACM November 1990

Volume 33 Issue 11

The future of natural language text processing is examined in the SCISOR prototype. Drawing on artificial intelligence techniques, and applying them to financial news items, this powerful tool illustrates some of the future benefits of natural language analysis through a combination of bottom-up and top-down processing.

4 Natural language question-answering systems: 1969

80%

Robert F. Simmons

Communications of the ACM January 1970

Volume 13 Issue 1

Recent experiments in programming natural language question-answering systems are reviewed to summarize the methods that have been developed for syntactic, semantic, and logical analysis of English strings. It is concluded that at least minimally effective techniques have been devised for answering questions from natural language subsets in small scale experimental systems and that a useful paradigm has evolved to guide research efforts in the field. Current approaches to semantic analysis ...

5 Technique for automatically correcting words in text

80%

A Karen Kukich

ACM Computing Surveys (CSUR) December 1992 Volume 24 Issue 4

Research aimed at correcting words in text has focused on three progressively more difficult problems:(1) nonword error detection; (2) isolated-word error correction; and (3) context-dependent work correction. In response to the first problem, efficient pattern-matching and n-gram analysis techniques have been developed for detecting strings that do not appear in a given word list. In response to the second problem, a variety of general and application-specific spelling cor ...

Retrieval performance in Ferret a conceptual information

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Michael L. Mauldin

Proceedings of the fourteenth annual international ACM/SIGIR conference on Research and development in information retrieval September 1991

7 Automated message understanding—a real-world prototype

77%

Thomas Jenkins , Alain Gaillard , Heather Holmback , Aki Namioka , John Darvish , Philip Harrison , Michael Lorbeski Proceedings of the third international conference on Industrial and engineering applications of artificial intelligence and expert systems - Volume 1 June 1990

We describe our prototype message processing system, designed to perform automatic database update from telexes dealing with aircraft Reliability and Maintainability issues. This system is being studied to replace a largely manual process currently in use at Boeing, which suffers from the standard problems of inefficiency, inconsistency, and difficulty of maintenance. The system we are developing combines a natural language processing subsystem for free-form text processing with automatic t ...

8 On the application of syntactic methodologies in automatic text

77%

analysis

G. Salton, M. Smith

ACM SIGIR Forum , Proceedings of the twelfth annual international ACMSIGIR conference on Research and development in information retrieval May 1989

Volume 23 Issue 1-2

This study summarizes various linguistic approaches proposed for document analysis in information retrieval environments. Included are standard syntactic methods to generate complex content identifiers, and the use of semantic know-how obtained from machine-readable dictionaries and from specially constructed knowledge bases. A particular syntactic analysis methodology is also outlined and its usefulness for the automatic construction of book indexes is examined.

9 Automatic text indexing using complex identifiers

77%

d Gerald Salton

Proceedings of the ACM conference on Document processing systems January 2000

10 Spoken dialogue technology

77%

Michael F. McTear

ACM Computing Surveys (CSUR) March 2002

Volume 34 Issue 1

Spoken dialogue systems allow users to interact with computer-based applications such as databases and expert systems by using natural spoken language. The origins of spoken dialogue systems can be traced back to Artificial Intelligence research in the

1950s concerned with developing conversational interfaces. However, it is only within the last decade or so, with major advances in speech technology, that large-scale working systems have been developed and, in some cases, introduced into commerc

• • •

11 Improving the representation of legal case texts with information 77% extraction methods

Stefanie Brüninghaus , Kevin D. Ashley

Proceedings of the 8th international conference on Artificial intelligence and law May 2001

The prohibitive cost of assigning indices to textual cases is a major obstacle for the practical use of AI and Law systems supporting reasoning and arguing with cases. While progress has been made toward extracting certain facts from well-structured case texts or classifying case abstracts under Key Number concepts, these methods still do not suffice for the complexity of indexing concepts in CBR systems. In this paper, we lay out how a better example representation may facilit ...

12 Automatic parsing for content analysis

77%

Frederick J. Damerau

Communications of the ACM June 1970

Volume 13 Issue 6

Although automatic syntactic and semantic analysis is not yet possible for all of an unrestricted natural language text, some applications, of which content analysis is one, do not have such a stringent coverage requirement. Preliminary studies show that the Harvard Syntactic Analyzer can produce correct and unambiguous identification of the subject and object of certain verbs for approximately half of the relevant occurences. This provides a degree of coverage for content analysis variable ...

13 Interactive Editing Systems: Part II

77%

Norman Meyrowitz , Andries van Dam

ACM Computing Surveys (CSUR) September 1982 Volume 14 Issue 3

14 Rosetta

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4 E. E. Villarreal , Don Batory

ACM SIGSOFT Software Engineering Notes , Proceedings of the 1997 symposium on Symposium on software reusability May 1997 Volume 22 Issue 3



15 The role of lexicons in natural language processing

77%

Louise Guthrie , James Pustejovsky , Yorick Wilks , Brian M. Slator Communications of the ACM January 1996
Volume 39 Issue 1

77%

- 16 Natural language information retrieval in digital libraries
 Tomek Strzalkowski, Jose Perez-Carballo, Mihnea Marinescu
 Proceedings of the first ACM international conference on Digital libraries April 1996
- **17** An example-based mapping method for text categorization and

77%

1 retrieval

Yiming Yang , Christopher G. Chute ACM Transactions on Information Systems (TOIS) July 1994 Volume 12 Issue 3

A unified model for text categorization and text retrieval is introduced. We use a training set of manually categorized documents to learn word-category associations, and use these associations to predict the categories of arbitrary documents. Similarly, we use a training set of queries and their related documents to obtain empirical associations between query words and indexing terms of documents, and use these associations to predict the related documents of arbitrary queries. A Linear Le ...

18 Sentence disambiguation by asking Masaru Tomita Computers and Translation January 1986 Volume 1 Issue 1 77%

19 A loosely-coupled integration of a text retrieval system and an object-oriented database system

77%

W. Bruce Croft , Lisa A. Smith , Howard R. Turtle Proceedings of the Fifteenth Annual International ACM SIGIR conference on Research and development in information retrieval June 1992

Document management systems are needed for many business applications. This type of system would combine the functionality of a database system, (for describing, storing and maintaining documents with complex structure and relationships) with a text retrieval system (for effective retrieval based on full text). The retrieval model for a document management system is complicated by the variety and complexity of the objects that are represented. In this paper, we describe an approach to compl ...



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